Graphs

In the "Graphs" window, you can view and print patient exam results. The interface looks like this:

This interface allows you to look at exam results in a variety of ways. There are 8 different graph displays, as well as an information section.

Each of the buttons at the right side of the window displays a different view of the exam results. For information about any of the graph displays, simply click on the **"?"** symbol in the upper right corner of the graph display.

The **Baseline** graph is the traditional, Ryodoraku-style graph used in meridian graphing. Meridians are displayed with arm yin meridians first, followed by arm yang, then leg yin and leg yang.

The **Yin/Yang** graph displays all the yin meridians on the left half and the yang meridians on the right half. It also gives the average reading for yin and yang, allowing comparison of the patient's yin/yang balance.

The **By Element** graph displays the exam results as coupled meridians within each

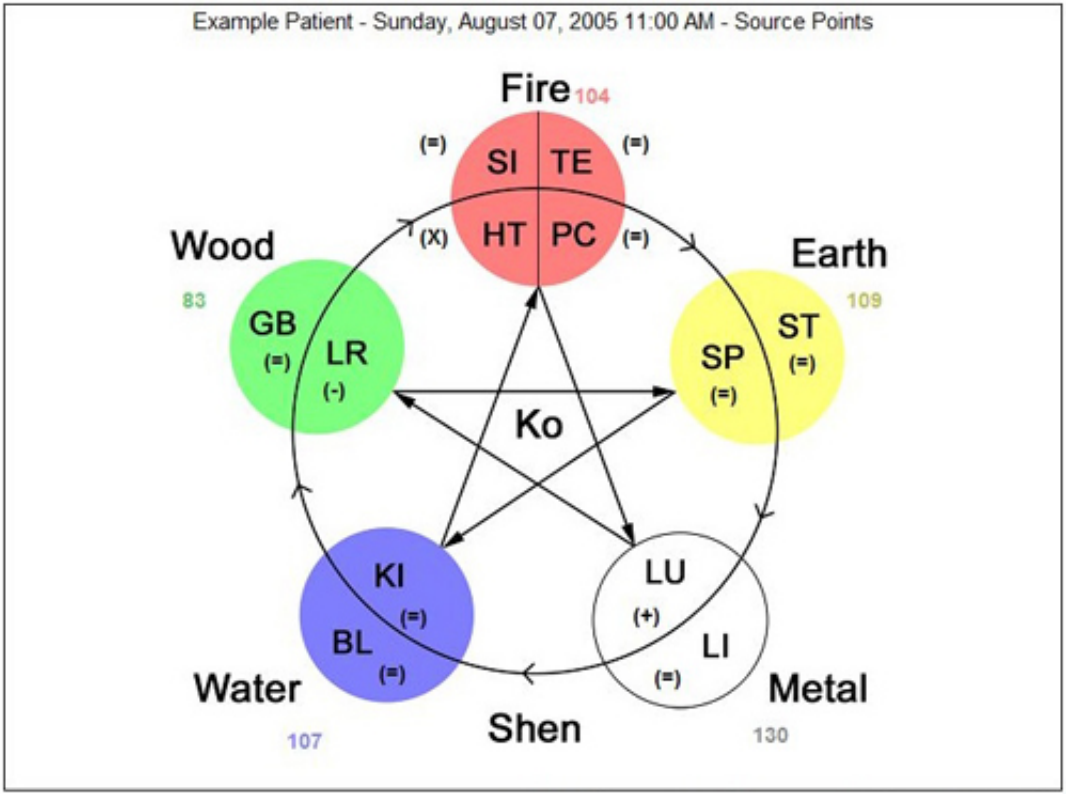
element, and gives the average reading for each element. This graph promotes 5-elements analysis by showing the relative balance among the 5 elements. The shaded area behind the bars within each element illustrates the average for that element.

The **Energy Cycle** graph displays the meridians in their horary order, beginning with Lung. This graph style is useful for analyzing the patient's energetic balance throughout different periods of the day.

In each of the above graph types, there are **three horizontal lines superimposed** on the graph. The middle line is the**Mean**, or average, of that patient's readings. The upper and lower lines represent the normal **range** of readings for that patient. Meridians with at least one reading in this normal range will be displayed as normal (except in the case of splits; see below.) Meridians with both readings above this range will be displayed as excessive, and meridians with both readings below this range will be displayed as deficient.

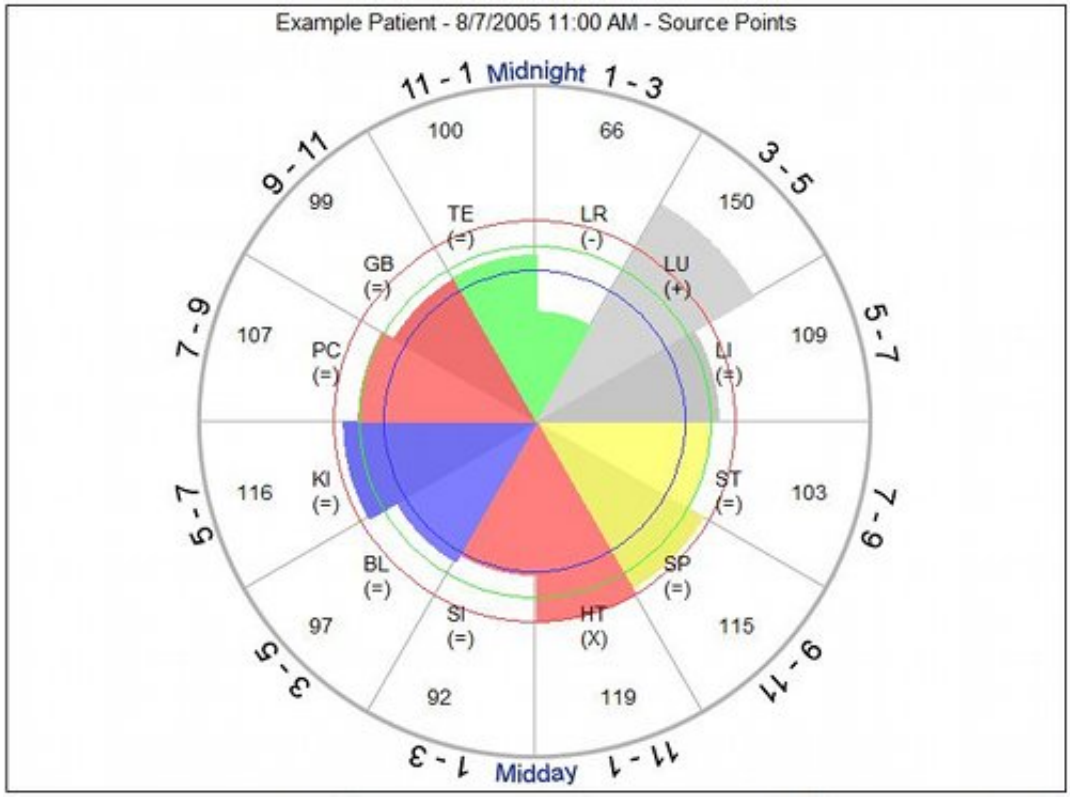
Split Meridians: When there is a statistically significant difference between the right and left readings on a given meridian, that meridian is considered "Split" and will be given special treatment. If a meridian is split, it will not be displayed in any other way, even if it would otherwise be considered excessive, deficient, or normal. A split condition takes precedence over other considerations for any given meridian.

The **5 Elements** graphic displays the classic 5-elements chart with the relative excess (+), deficient (-), split (X), and normal (=) meridians noted. Element averages are also shown. This display is designed to facilitate understanding of 5-elements energy transfers for this patient.

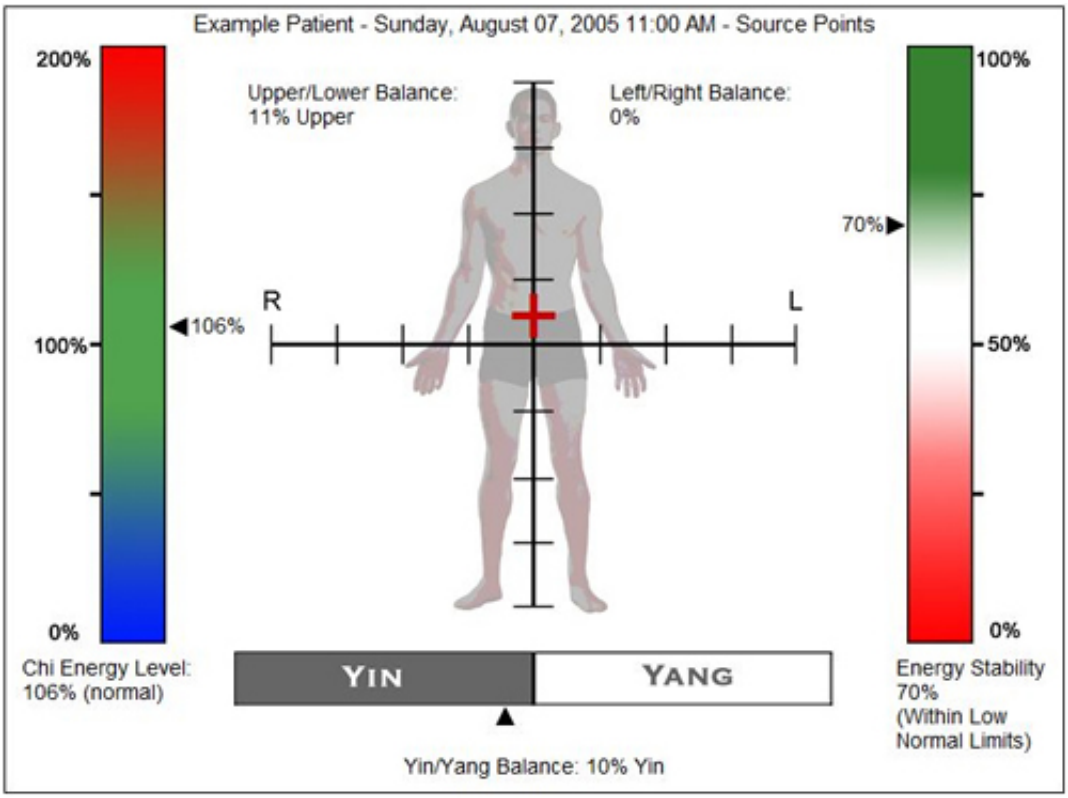


The **Horary** graphic displays the horary chart with superimposed shading to show the relative energy level of each meridian. More shading means a higher average reading for the channel. Ideally, the shading should reach the area between the inner and outer circles in the chart.

This graphic is useful for understanding the patient's energetic condition at various times of day.



The **Ratios** display gives information about the patient's relative energy balance.



This display shows several categories of energetic analysis. On the left is the **Chi Energy Level**. This is a representation of the patient's overall energetic level. Note that it is possible for the patient to be too low or too high in energy, and the ideal reading level is in the green area toward the center of the vertical display bar.

The bottom center shows the **Yin/Yang Balance** for the patient, with the yin/yang tendency noted.

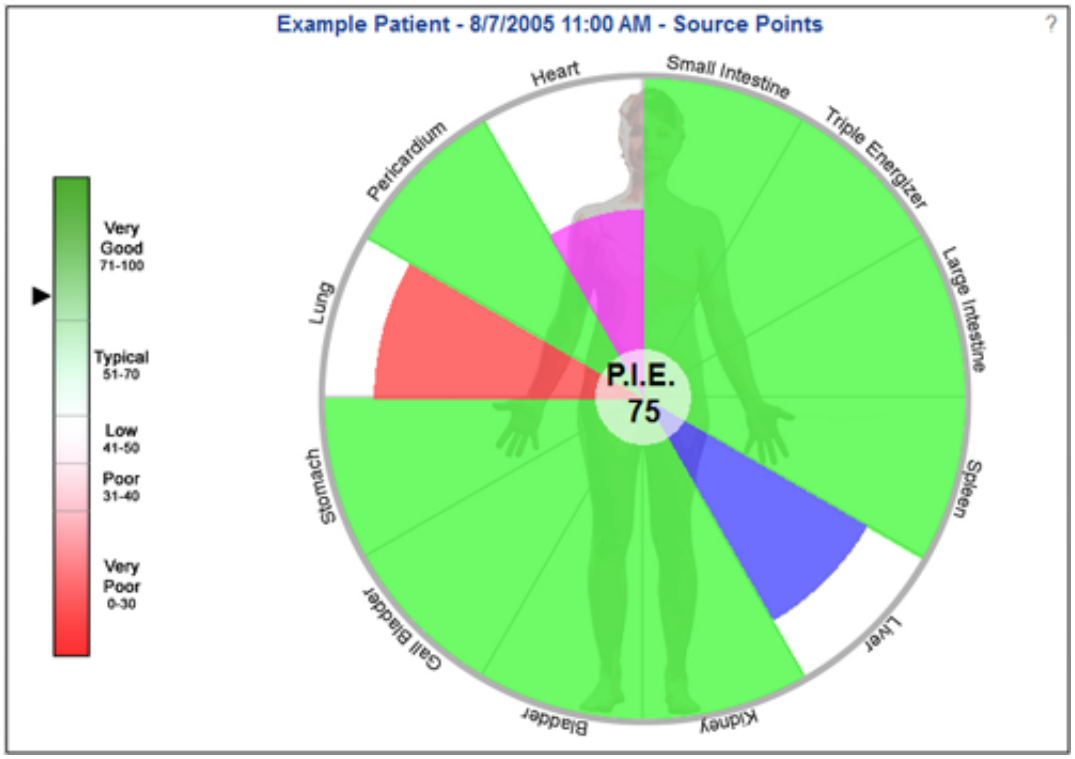
The right side of the display shows the patient's **Chi Energy Stability**. This is determined by analyzing the highest and lowest readings in the exam, in relative comparison to the mean. Patients with a wider range of readings from high to low will have lower relative energy stability. The green area towards the top of the display represents the best balance.

You may want to think of stability as the opposite of variability. A graph with high variability scores low for stability, and a graph with low variability scores high for stability.

The center of the display shows the **Right/Left** and **Upper/Lower** balance superimposed on a human figure. The right/left balance reflects the relative balance between readings on the right and left sides of the body, and the upper/lower balance reflects the balance between the readings on the hands and the feet.

Interpretation of these ratios categories is provided in the "**Information**" display. See below.

The **P.I.E.** Graph stands for Personal Integrated Energetics graph. This graph provides a snapshot of the patient's overall meridian balance in a simplified, patient-friendly format.



Within this graph, each meridian is represented by a color-coded slice of the pie. Energetically healthy meridians extend fully to the edge of the circle and are colored green. Energetically unhealthy meridians do not extend fully to the edge of the circle. The smaller the shaded section of the pie slice, the lower the health level of the meridian. Additionally, meridians are color-coded according to imbalance, with red for excess, blue for deficiency and purple for split.

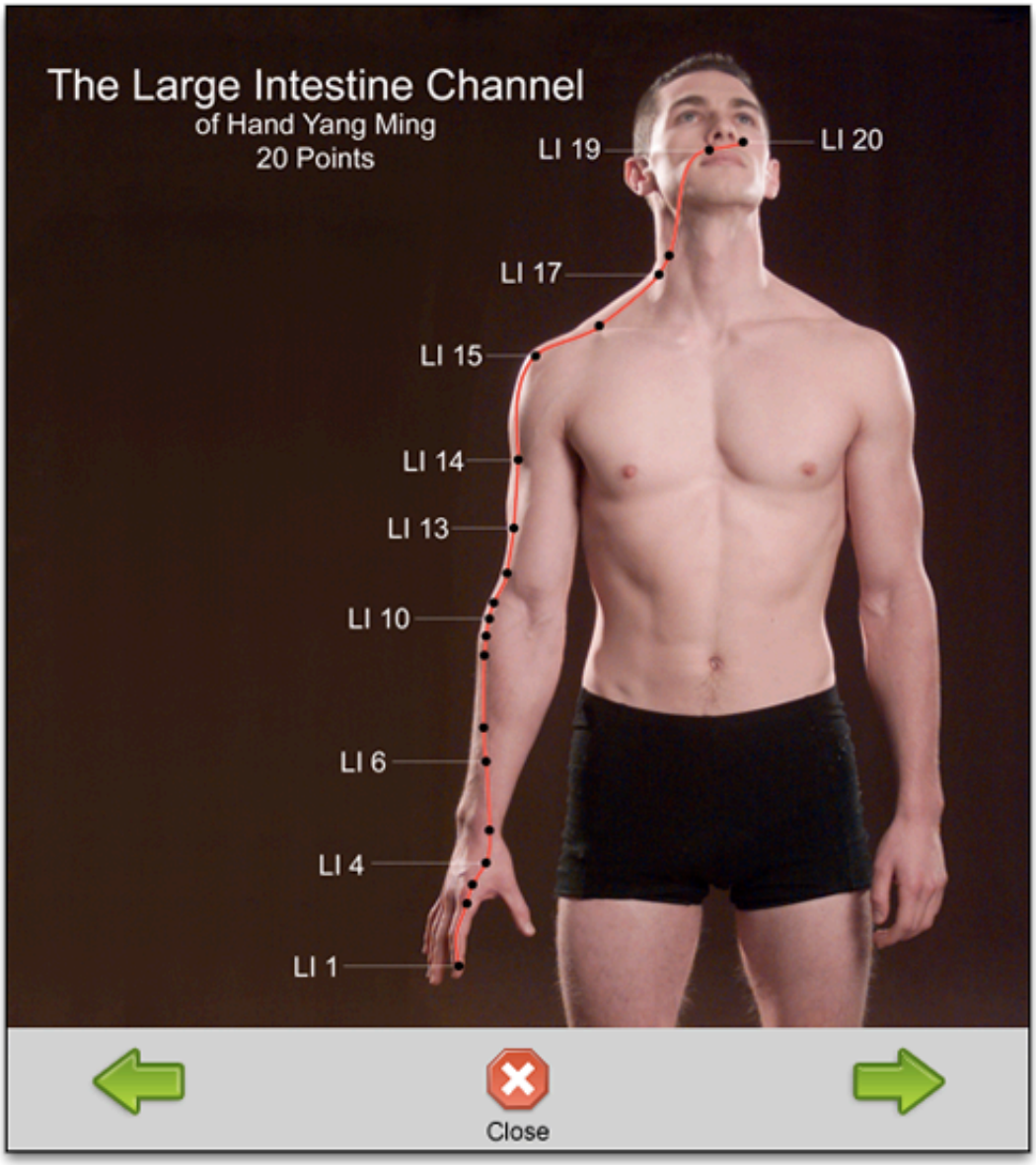
The **P.I.E.** score stands for Personal Integrated Energetic score, and this single number comprises a complete picture of your patient's meridian balance. The higher the score, the better the balance. Statistical analysis methods are used to include all facets of meridian health in the score calculation. The purpose of the score is to provide a fast, easy method of graph comparison for your patient, who may not understand graph analysis, but will understand a single-number score. Remember, the P.I.E. scale is 0-100 and the scores may be anywhere within that range. The scale on the left gives an idea of the typical degree of imbalance for any score.

The **Information** display gives written information about meridian functions, observed imbalances, potential symptom associations, and energetic balance categories for this

exam. It is written on the level of the average patient to facilitate understanding without confusing jargon.

Channel Illustrations:

While viewing any bar-style graph, clicking on any of the bars opens the channel illustration window as follows:



This window shows the meridian channel of the bar that was clicked in the graph. The arrows will move forward and backward through the graph, as will the arrow keys on the keyboard.

The purpose of this illustration is to demonstrate the anatomical area where the meridian channel runs. This is useful for explaining symptoms and locations to patients.

The channel in the picture will be color coded according to the graph bar colors to demonstrate the energetic condition of the channel, whether it is deficient, excessive,

split or normal.

Icon Functions:

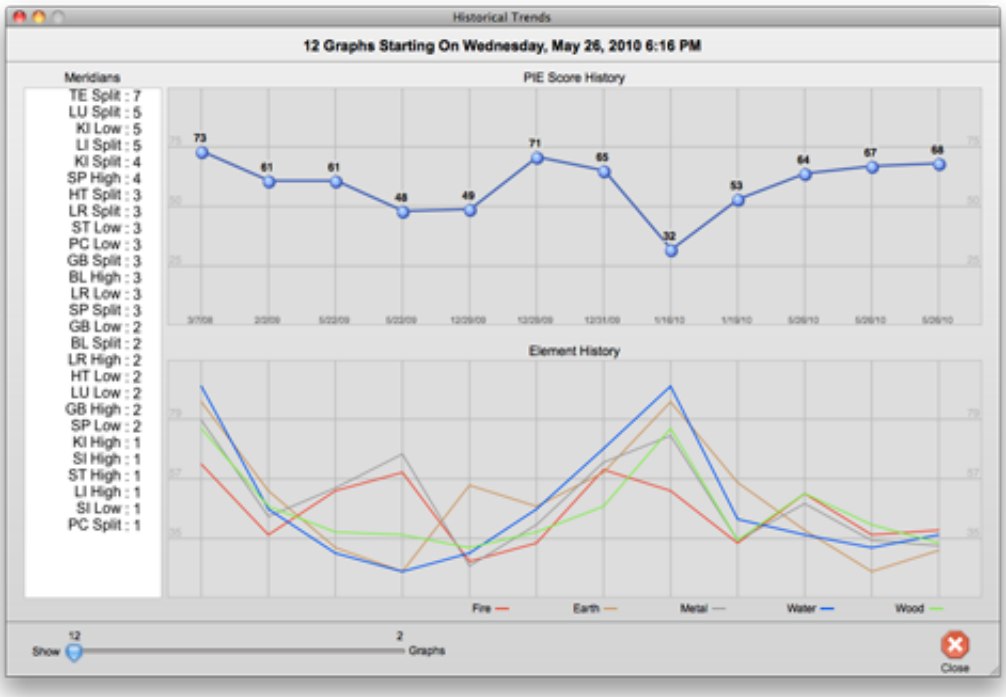
The "Begin Treatment" icon displays the acupoints of the selected treatment in order. This function is designed to serve as a treatment guide to the practitioner during treatment.

The arrow keys advance from point to point during treatment dispay.

These icons show the previous and next graphs in the database for this patient. In the event that there is not a previous or next graph for this patient, one or both of these icons is grayed out.

Using the previous and next icons is a convenient and quick way to view previous and current treatments for the patient and to track patient progress.

The "History" icon displays the "Historical Trends" window as follows:



The Historical Trends window displays the trends in PIE score, element history, and most common imbalances for the selected patient. To choose how many exams are included in the history, use the slider at the bottom left of the screen.

The "Compare" icon takes you to the "Patients" window with the list of exams displayed for that patient. In this window, you can select specific graphs for comparison. Select as many graphs as you care to from the patient's history for comparison or printing.

It is best to wait at least 24 hours after treatment before re-examining your patient for comparison purposes. Re-examination directly after treatment will not produce a valid result because Chi energy will still be in flux from the treatment.

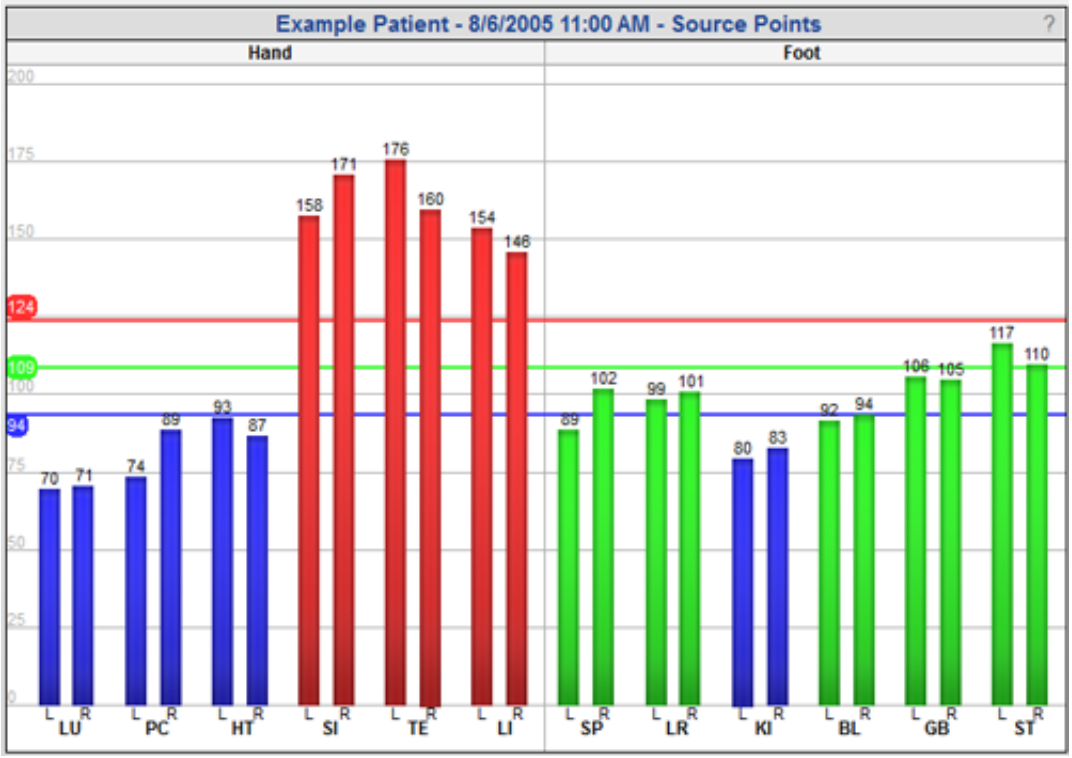
IntelliGraph is a revolutionary new technology developed by Miridia Technology Inc. that completely changes the state of the art for meridian analysis by using statistical modeling to correct exam information and reveal true imbalances, while eliminating the false positives that may otherwise appear. This method builds on and improves Dr.

Nakatani's original staggered-scale compensation method, resulting in the most accurate meridian assessments ever available.

IntelliGraph is always active by default. This ensures that exam information is always automatically corrected as the exam is processed. This also diminishes false imbalance findings and clarifies the true imbalances in the exam. IntelliGraph does this by correcting exam findings based on meridian measured, side measured, patient gender, patient age, and graph mean. Measurements are adjusted in real time to compensate for the distinct properties of each meridian for any specific patient population.

Should you wish to view the raw data readings rather than the corrected IntelliGraph readings, you can disable the IntelliGraph feature by clicking on the icon.

The Graph Normalization feature removes the effect of the outlying values on the mean of the graph. For an example of this effect, open the patient called "Example Patient," and view the graph with the notation of "Example 2: Normalization."



You will notice that many of the patient's meridians in this example are just below the normal range (LU, PC, HT, KI) and that three meridians are excessively high (SI, TE, LI.)

The effect of the three high meridians is to raise the mean to the point that many of the borderline meridians appear low when they really aren't deficient.

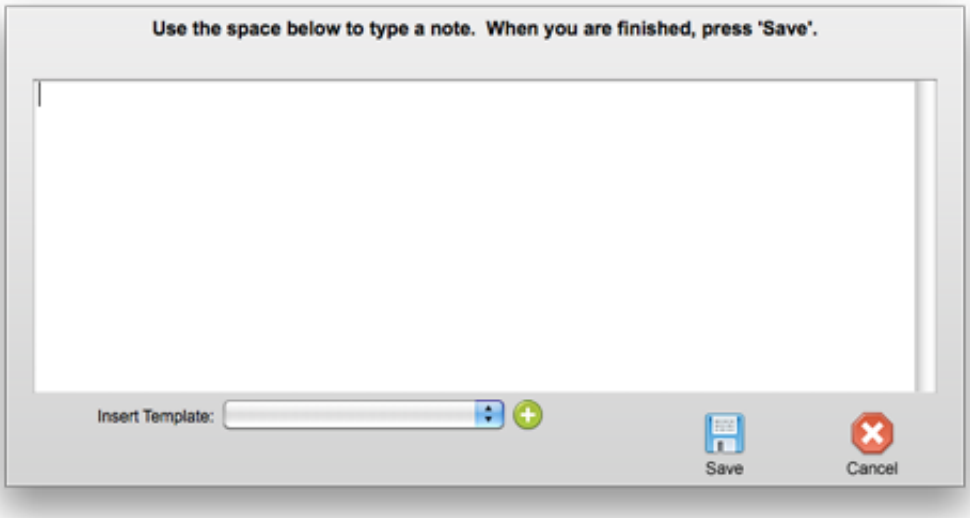
By clicking the Normalize icon, you will eliminate the effect of the 3 excessively high meridians on the mean, and the 2 of the deficient meridians will be automatically re-categorized into their correct category of "Normal." The treatment protocol goes from requiring stimulation of 14 points in the basic protocol to only 10 points (basic) and 6 points (advanced). Thus, normalization prevents over-treatment of the patient.

Note that normalization does NOT remove the outliers (excessively high or excessively low meridians) from the treatment protocol. It only removes them from the calculation to prevent artificially skewing the results. The outlying meridians are still treated and corrected.

It is, of course, up to the practitioner to decide whether normalization is appropriate for each particular patient on a case-by-case basis. If normalization is selected, it will remain selected on all patients and all graphs until it is deselected.

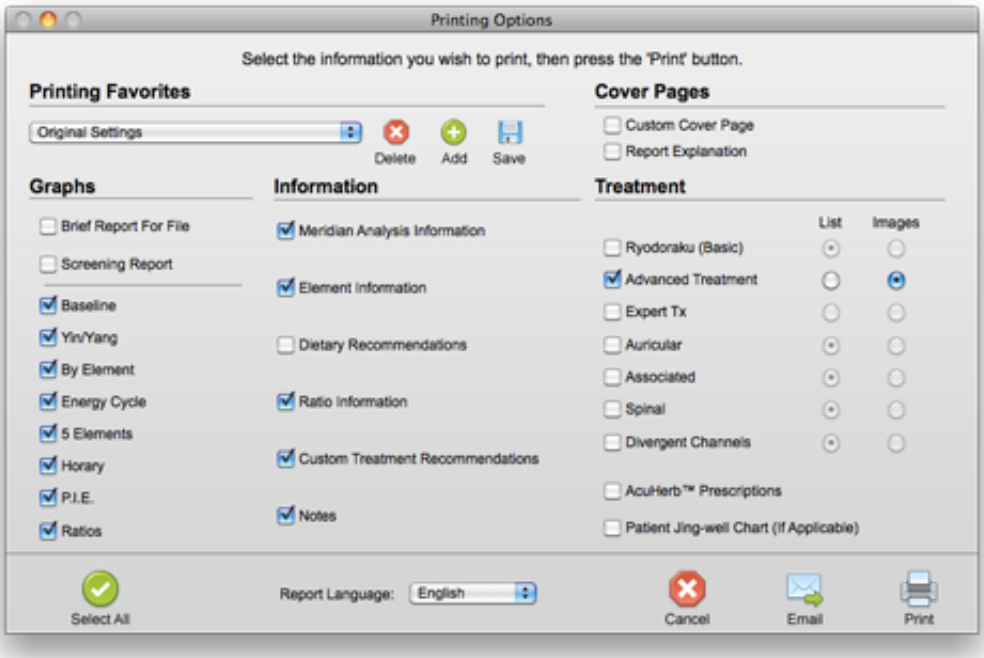
The "Edit Graph" icon allows changes to the recorded values after the graph has been displayed. The changes can be made by manually entering new values, or by taking readings with the probe. Click in the box for the reading you wish to change, and type a new number or use the probe to take a new reading. NOTE: to preserve the integrity of your patient records, AcuGraph only allows you to manually edit graph values up to 8 hours after the exam.

The "New Note" icon opens a window where the user may record notes relevant to the patient's case. This is a useful place to record symptoms, progress, treatment method, etc. The first part of each note recorded will appear next to its associated graph in the records list. Notes may be recorded in any length and contain any text you choose. You may also paste text into the notes window from another application.



The “Insert Template” pull-down menu inserts a pre-formatted template in your note. This is useful if you have a typical notes template you usually use, such as the S. O. A. P. note format. You can add new custom templates to this menu in the “Notes” window of the “Preferences” section.

The “Print” icon opens the “Printing Options” window, where custom reports can be defined and printed.



The main part of the Printing Options window is divided into three sections: The

"Graphs" section on the left controls which graphs will be printed in the report. The **"Information"** section in the center controls what text information will be included. The **"Treatment"** section on the right selects what treatment information will be included in the report.

The **"Brief Report for File"** item provides a one-page summary report including the Baseline graph and any treatment recommendations selected under the "Treatment" section. This report is useful as a quick reference and for paper files because it is brief and contains only the essential information.

The **"Screening Report"** is only available to those who have purchased the AcuGraph Screening Module add on. This one-page report is designed for use at public screening events to quickly and easily demonstrate the patient's energetic condition and help them take the next steps toward receiving care. The screening report can be customized with your practice information in the "Printing" window of the Preferences section.

Under **Treatments**, you may choose which treatments to print, and whether to print only lists of recommended points, or full reference illustrations and information.

The other selectable items will be printed in the full report. The report will only contain those items selected in the Printing Options window, allowing you to customize your reports to your exact desires.

The **Report Language** selector is used to determine which language will be used in your printed reports. This option is only available if you have purchased additional language packs.

The **Printing Favorites** section allows you to save printing preferences for specific types of reports. For example, if you print a specific type of report on a first visit, you can define the report and save it as a preset.

To do so, first click on the + sign to add a new report. Name it and save it. Then select the contents of the report in the printing window and when you are satisfied, click save. The presets you selected will be saved to the currently shown Favorite.

The **Cover Pages** section lets you choose the cover page or pages for the printed report. The following two options are available:

Report Explanation: This cover includes simple explanations of the purpose and meaning of the AcuGraph report.

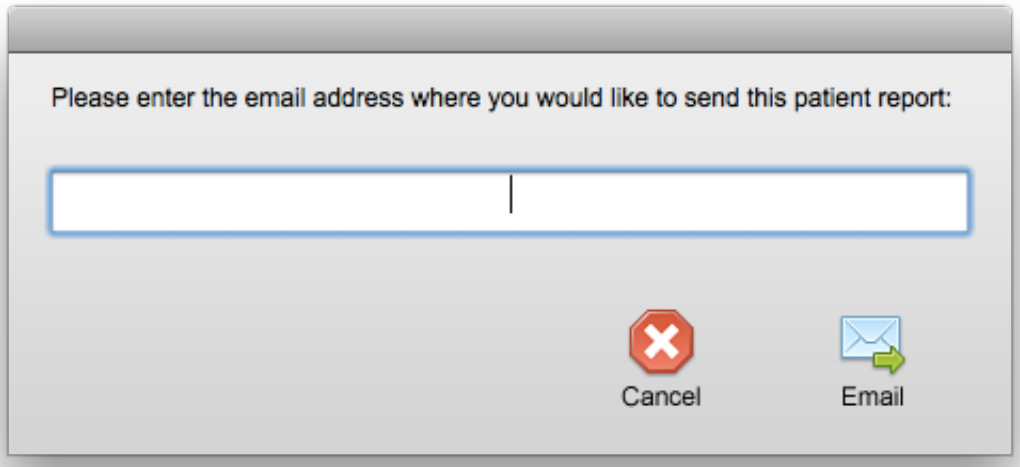
Custom Cover Page: This option attaches your own custom cover page to your report. You can make your cover page as simple or complex as you wish, and it can be more than one page if desired.

To create a custom cover page, simply create a document in any word processing or page layout program you choose. You may include pictures, text, formatting and design elements. When you have finished creating your cover page, save it as a PDF. For more information on how to create a PDF, please see PDF printing, below.

When you have saved your cover page as a PDF, visit the "Printing" window of the "Preferences" section of AcuGraph. There, you can select your PDF document to import it into AcuGraph as your custom cover page.

For more information on importing a cover page, please see the Preferences section of this manual.

AcuGraph includes the ability to email a patient report. To use this feature, first select the options you wish to include in the report from the Printing Options window. Then click the "Email" icon. The following window will appear:



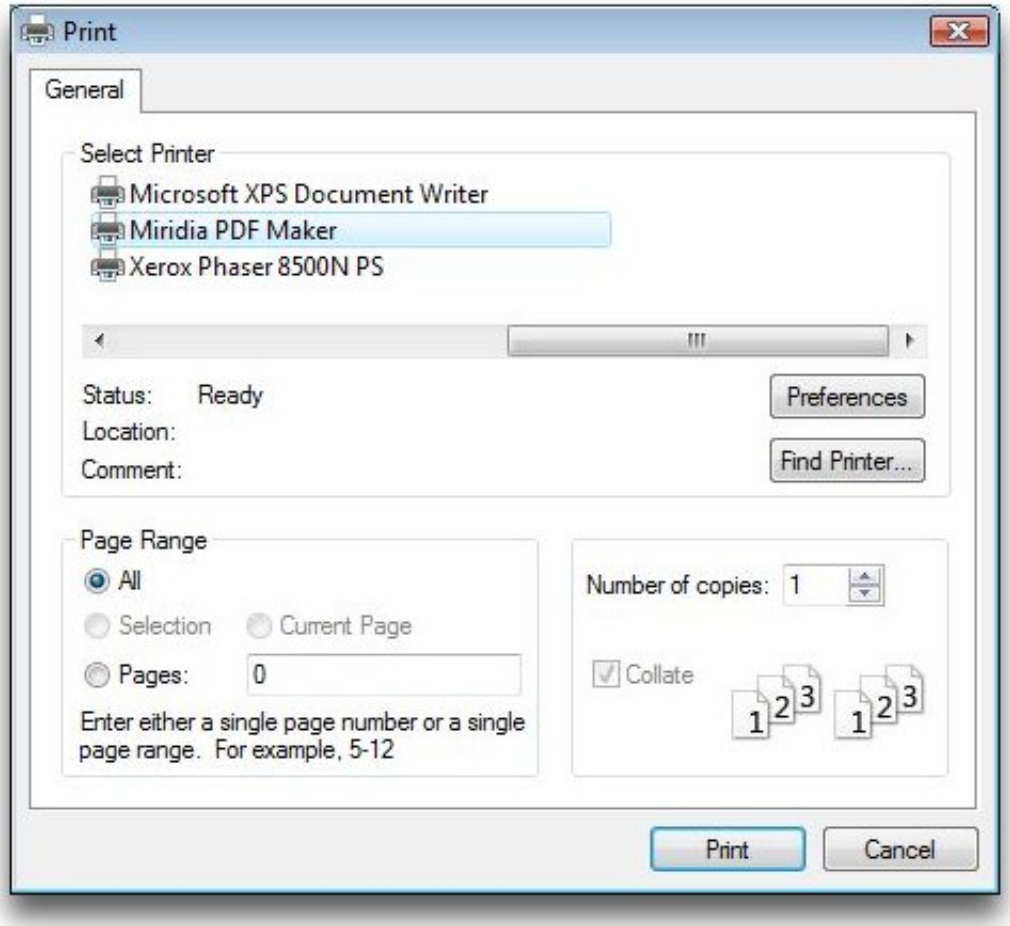
If the Patient's email address is already in your patient database, the address will appear in the box. If you don't already have the patient's email address, you can type it into the box. You will then have the option to save the email address you typed as part of the patient's record for future use. Once you have selected or entered the email address, click the "Email" icon to send the patient's report.

PDF Printing

AcuGraph includes the ability to produce reports in the PDF format (Portable Document Format.) These reports can then be emailed, attached to electronic medical records, appended to other PDF documents, or electronically stored for later retrieval. PDF printing procedures are as follows.

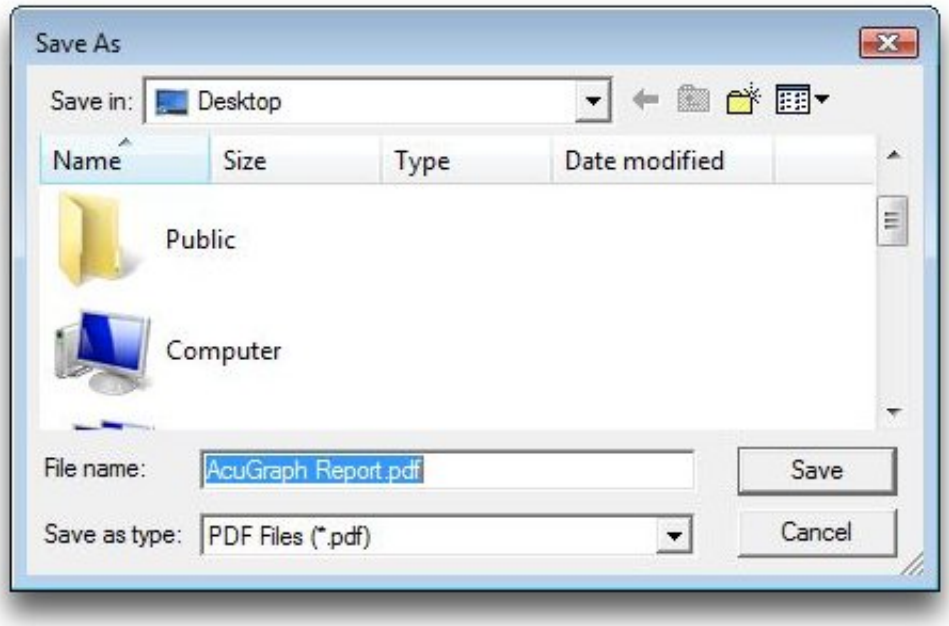
PDF Printing For Windows:

After you have selected report options and pressed "Print" in the AcuGraph print window, the operating system will show the following print window (or one similar):



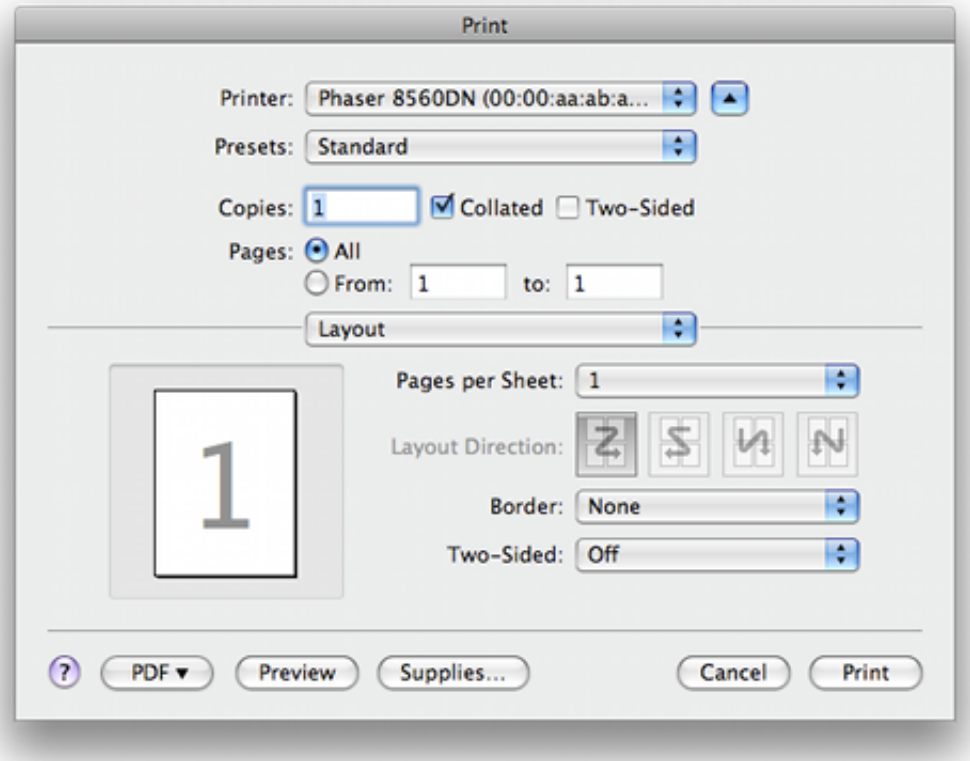
In the "Select Printer" area, choose "Miridia PDF Maker" as your printer. Then press "Print."

Next, you will be asked to name your report and choose the location to save it. When you have done so, press "Save" and your PDF report will be created and saved.

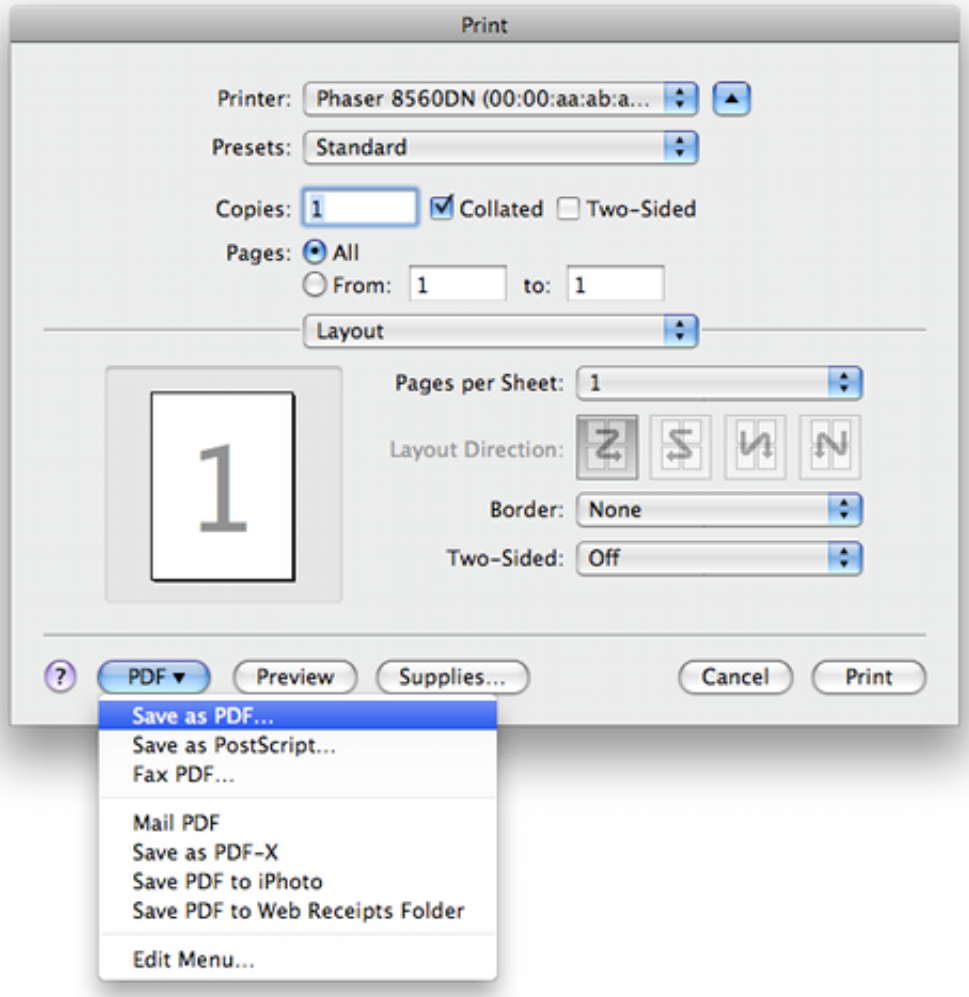


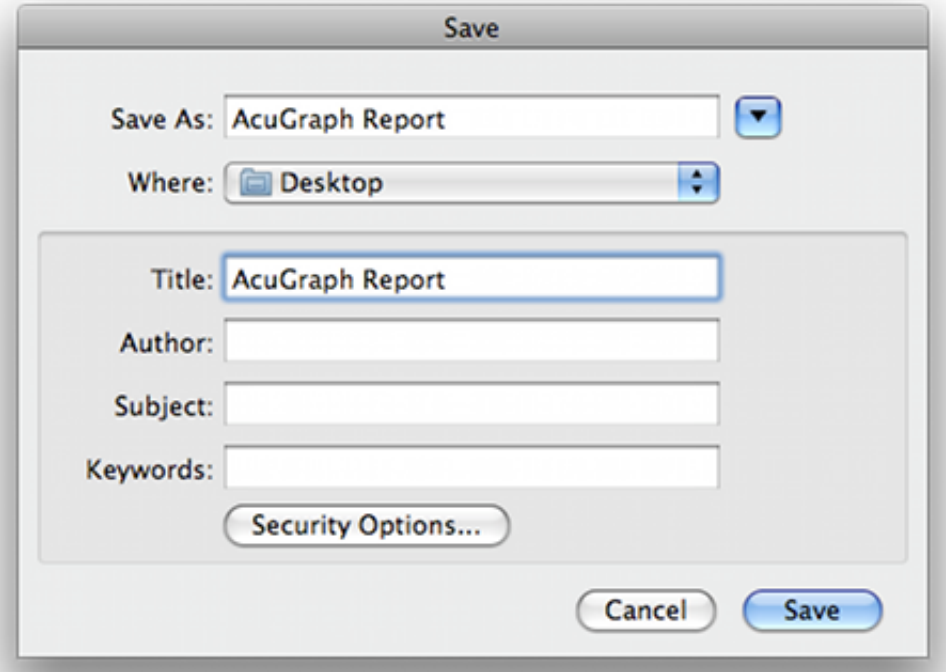
PDF Printing For Macintosh:

After you have selected report options and pressed "Print" in the AcuGraph print window, the operating system will show the following screen:



From the PDF drop-down menu at the bottom left of the screen, select "Save as PDF..."

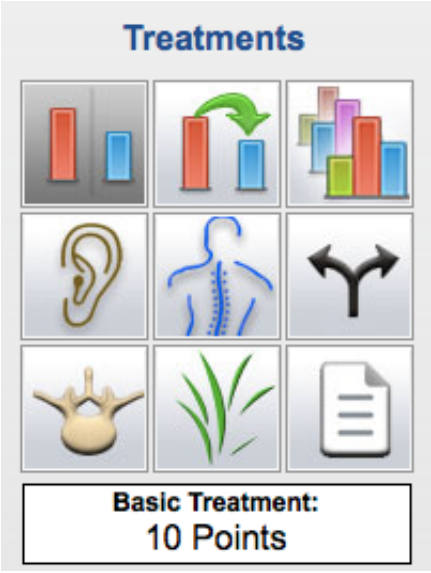




Then name your report, choose the location to save it, and press "Save". Your PDF will be created and saved.

Treatments

The left side of the **Graphs** screen contains the **Treatment** section. These 9 buttons control which treatment recommendations will be displayed below in the treatment recommendations section of the window, based on the information in the displayed graph.



You may choose which treatment recommendation to view by clicking on the appropriate button. **All treatment recommendations are presented as possibilities only, and the ultimate decision of how to treat the patient rests with you, the licensed practitioner. Though several treatment options are presented, it is not appropriate or advisable to attempt to perform all the possible treatments on the same patient the same day. Rather pick the one or two protocols you prefer and perform them. You may also use treatments of your own choosing outside the scope of this software.**

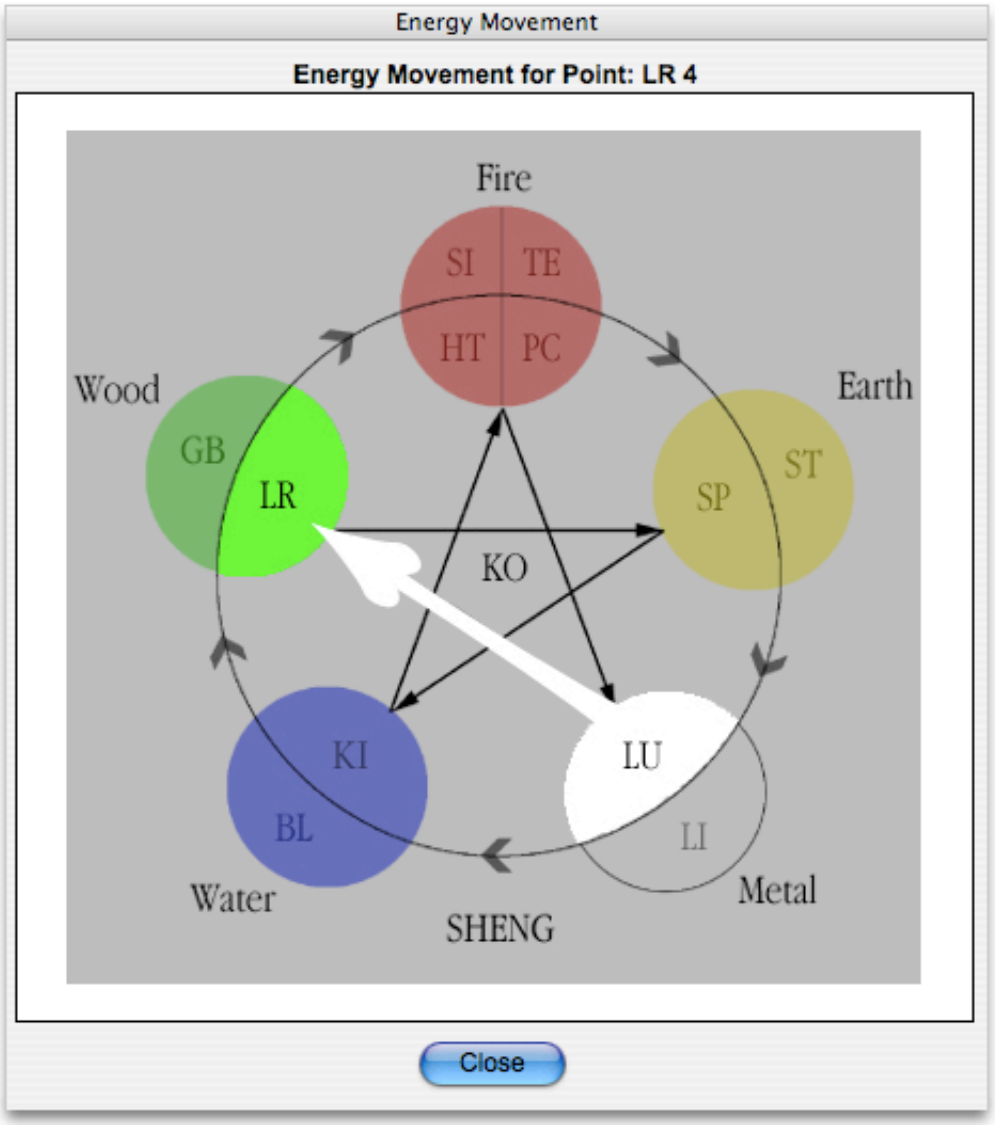
Important Notes about Treatments:

MIRIDIA TECHNOLOGY INC. IS NOT LIABLE FOR RESULTS OF TREATMENT, AND THE TREATMENT RECOMMENDATIONS ARE TO BE CONSIDERED WITHIN THE CONTEXT OF THE PATIENT'S SYMPTOMS, DIAGNOSIS, LIFESTYLE, HABITS, FITNESS LEVEL, AND OVERALL STATE OF HEALTH. The AcuGraph software does not and cannot consider each patient's individual situation beyond the electronic examination, and it does not take the place of the practitioner's experience, training, clinical judgment and skill. AcuGraph is for experimental and investigational use only by appropriately licensed practitioners.

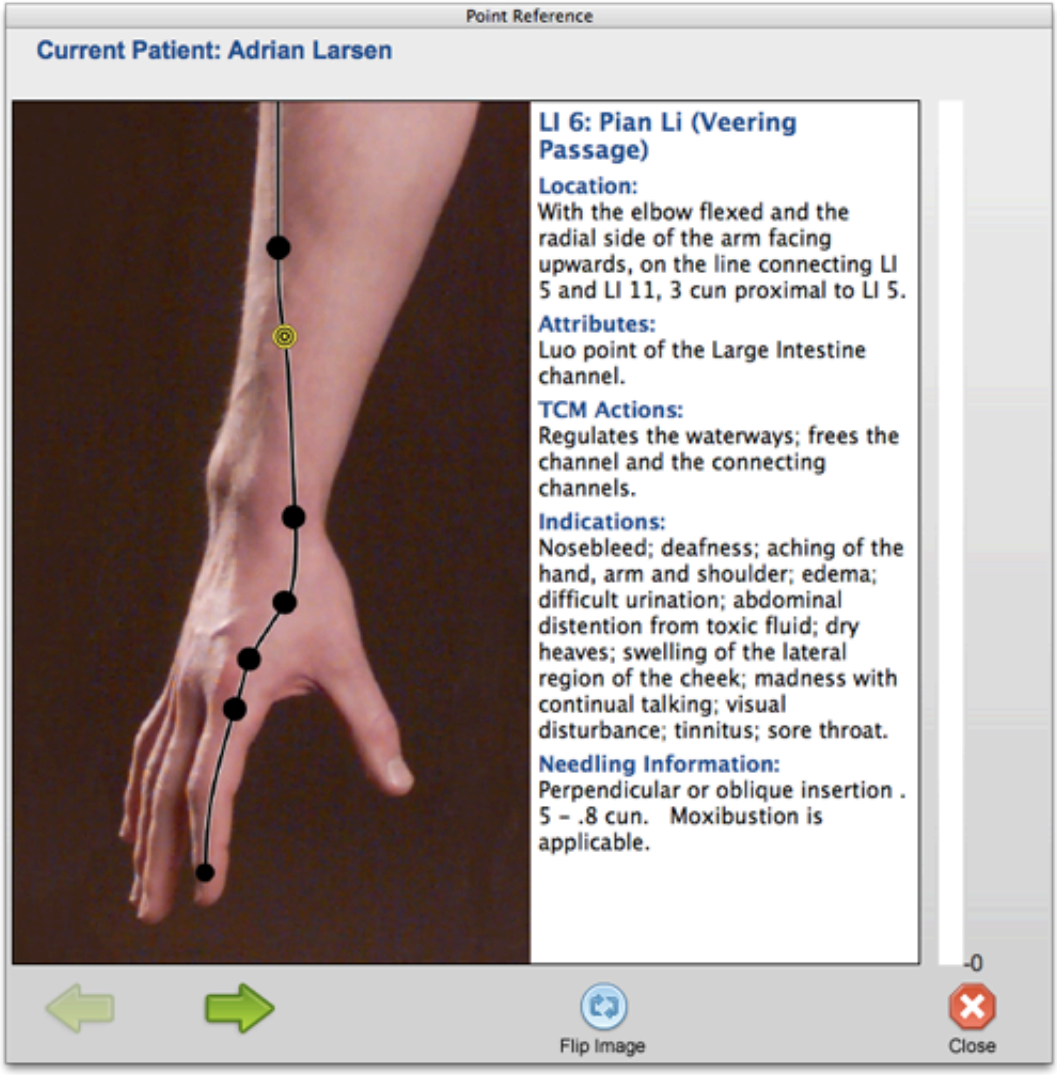
MIRIDIA TECHNOLOGY INC. MAKES NO SPECIFIC RECOMMENDATION FOR METHOD OF TREATMENT OF ACUPUNCTURE POINTS. Common treatment methods include needle, laser, cupping, moxibustion, tapping, pressure, and electrical stimulation. The method used is at the sole discretion of the practitioner,

within the scope of the licensed practice.

When a treatment protocol is selected, the recommended points will be displayed in the columns below the treatment selection buttons. Next to each recommended acupoint, in the "Reason" column, is displayed the reason that particular point was selected. Some points will also display a star in the right column. Clicking on the star will open a window displaying the energetic effect of the selected point:



Clicking on the point name will open a reference window displaying the location, attributes and function of that particular point:


Point Reference
Current Patient: Adrian Larsen
LI 6: Pian Li (Veering Passage)
Location:
With the elbow flexed and the radial side of the arm facing upwards, on the line connecting LI 5 and LI 11, 3 cun proximal to LI 5.
Attributes:
Luo point of the Large Intestine channel.
TCM Actions:
Regulates the waterways; frees the channel and the connecting channels.
Indications:
Nosebleed; deafness; aching of the hand, arm and shoulder; edema; difficult urination; abdominal distention from toxic fluid; dry heaves; swelling of the lateral region of the cheek; madness with continual talking; visual disturbance; tinnitus; sore throat.
Needling Information:
Perpendicular or oblique insertion . 5 - .8 cun. Moxibustion is applicable.
-0
Flip Image
Close

The treatment types work in the following ways:

Basic treatment model: This model uses Luo points to treat split meridians, Sedation points to treat excessive meridians, and Tonification points to treat deficient meridians. This method does not pay any attention to the 5-elements model or use group points.

In the **Advanced** treatment model, the points are selected to most efficiently move energy from excess to deficiency. The Ko and Sheng cycles are considered, as are Luo points.

The Advanced treatment model considers all possible combinations of points and makes a recommendation based on use of the fewest points possible. It also considers musculo-tendino points for global and specific effects. See "Example 3" in the graphs of "Example Patient" for an example of how this type of intelligent processing reduces the number of recommended points from 22 points to 4 points.

The **Expert** treatment protocol goes beyond basic and advanced treatment to a whole new level of effectiveness. This model considers patient history, types and severity of imbalances, and treatment type comparison before recommending a complete treatment regimen including points, herbs, auricular, custom applications and home care.

If two exam types are performed on the same day (for example Source and Jing well) the Expert protocol will compare both exams and synthesize a treatment that will address all imbalances noted.

The Expert protocol also considers imbalances that have appeared repeatedly in the patient's recent exam history and provide special enhanced treatment to these persistent imbalances.

Auricular treatment model: This model uses master auricular points for overall systemic balance, and specific meridian points for tonification and split meridians.

Back-Shu treatment model: This model uses the Back Shu points specific to the meridian imbalances noted.

Divergent Channels treatment model: This model is only available on Tsing (Jing-well) point exams. This model treats 3 specific divergences: **Left-Right** divergences (Splits) are treated using Back-Shu points, **Top-Bottom** divergences are treated using Extraordinary Vessels, and **Front-Back** (Yin-Yang) divergences are treated using He-sea and master points. Notice that the recommended treatment points are color coded. Points in red should be tonified, or treated with (+) current. Points in blue should be sedated, or treated with (-) current.

Spinal Subluxation treatment model: This model shows the areas of potential spinal subluxation based on the exam findings. Only practitioners properly trained and licensed in spinal manipulation or body work should use these recommendations.

AcuHerb treatment model: This model recommends traditional Chinese herbal formulas for treatment of the energetic imbalances shown in the graph. These recommendations should only be used by practitioners properly licensed and trained to dispense herbal supplements.

Though a graph may generate a number of potential herbal recommendations, no more than two formulas should be given to the patient at the same time. For this reason, AcuGraph limits prescriptions to only up to two formulas per exam.

The formula recommendations are listed in order based on a scoring system. The higher the score, the more strongly recommended is the formula. To view the reasons the

formula was recommended, simply click on the green text in the reason column.

To view complete information about any of the recommended herbal formulas, click on the formula's name in the list and the following window will appear:

Herbal Formula Information
HE SI
SP ST
LU LI
KI BL
LR GB
Fire
Earth
Metal
Water
Wood
302 LU BAI HE GU JIN PIAN
303 LU RUN CHANG PIAN
304 LU YANG YIN QING FEI PIAN
304 LU — YANG YIN QING FEI PIAN — Nourish Lung Yin
Relieving excess Heat in the Lung since 1838 A.D.
TCM Therapeutic Actions:
Nurtures Yin; clears Lung Heat, detoxifies the Lung.
TCM Indications:
Any throat discomfort or Lung Yin deficiency, dry and sore throats with fever, dry cough with blood-tinged sputum due to deficiency of Lung Yin.
Modern Indications:
Chronic bronchitis, acute pharyngitis, and acute tonsillitis.
Contraindications:
Contraindicated during pregnancy.
TCM Contraindications:
Contraindicated for acute cough due to EPI. This formula can be cloying and aggravate
Supplement Facts
Serving Size: 3 tablets Servings per container: 20
Proprietary blend 2.2g* (750mg per tablet)
Raw rehmannia (Sheng-Di-Huang) root
Ophiopogon (Mai-Dong) tuber
Figwort (Xuan-Shen) root
Zhejiang fritillary (Zhe-Bei-Mu) bulb
Tree peony (Mu-Dan-Pi) bark
White peony (Bai-Shao) root
Chinese licorice (Gan-Cao) root
Chinese mint (Bo-He) leaf
*Daily Value not established
AcuHerb
Previous
Next
View Interactions
Pronunciation
Bottles Prescribed: 0 1 2 3 4
For This Graph
Close

In this window, you can access complete information about the herbal formula you have selected, including therapeutic actions, indications, contraindications, recommended usage, and potential drug interactions.

The “Previous” and “Next” buttons will show the previous and next recommended formulas for this exam.

The View Interactions button opens a hierarchical list of the ingredients in the herbal formula. Clicking on any of these ingredients shows the list of classes of drugs that may interact with the selected ingredient. By clicking on the drug classes, you can “drill down” to specific drug groups and drug names.

IMPORTANT NOTE ABOUT DRUG INTERACTIONS: The interactions built into the AcuGraph database represent the best available information at the time of publication. There may be newer, more complete, or more relevant information available elsewhere. These interactions are presented “as-is” for informational purposes only. You should always consult authoritative information sources before recommending an herbal formula to a patient that takes prescription drugs. Miridia Technology Inc. is not liable for mistakes, omissions, or inaccuracies in the interaction information.

To return to the herbal information screen, simply click on View Herb Details

The Pronunciation button provides spoken pronunciation of the Chinese name of each formula.

To prescribe a formula, simply select the number of bottles to prescribe from the bottom of the window. A note will be created and appended to the graph, noting the formula prescribed. Additionally, the prescribed number of bottles will automatically be added to your AcuHerb shopping cart for ease in reordering.

To view other AcuHerb formulas, you can choose the element family and formula from the lists at the top of the window. If you prescribe one of the formulas that was not on the recommended formula list, it will be added to the list.

For more details about the AcuHerb supplements, please visit www.acuherb.com.

Custom treatments: This model displays user- defined custom treatments tailored to the exam results. Custom treatments may be defined in the **Reference** tab.